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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99) | Application Number | | 10566796 | |
| | Filing Date | | 2006-01-31 | |
| | First Named Inventor | Sweeney et al. | | |
| | Art Unit | None | | |
| | Examiner Name | Not Assigned | | |
| | Attorney Docket Number | PENN0870US.NP | | |

U.S.PATENTS

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| 1 | Allen et al., "Apoptosis: a mechanism contributing to remodeling of skeletal muscle in response to hindlimb unweighting", Am. J. Physiol. 1997 273 (Cell Physiol. 42): C579-C587 | <input checked="" type="checkbox"/> |
| 2 | Allen et al., "Myonuclear Domains in Muscle Adaptation and Disease", 1999 Muscle Nerve 22: 1350-1360 | <input checked="" type="checkbox"/> |
| 3 | Badalamente et al., "Delay of Muscle Degeneration and Necrosis in mdx Mice by Calpain Inhibition", 2000 Muscle Nerve 23: 106-111 | <input checked="" type="checkbox"/> |
| 4 | Barton-Davis et al., "Viral Mediated Expression of Insulin-Like Growth Factor I Blocks the Aging-Related Loss of Skeletal Muscle Function", Proc. Natl Acad Sci USA Vol. 95, No. 26. December 22, 1998, pp. 15603-1560 | <input checked="" type="checkbox"/> |
| 5 | Billings et al., "Distribution of the Bowman Birk protease inhibitor in mice following oral administration", 1992, Cancer Letters 62 191-197 | <input checked="" type="checkbox"/> |
| 6 | Birk et al., "The Bowman-Birk inhibitor", Int. J. Peptide Protein Res. 25, 1985, 113-13 | <input checked="" type="checkbox"/> |
| 7 | Bodine et al., "Akt/mTOR pathway is a crucial regulator of skeletal muscle hypertrophy and can prevent muscle atrophy in vivo", Nature Cell Biology, vol. 3, November 2001, pp. 1014-1019 | <input checked="" type="checkbox"/> |
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| 9 | Criswell et al., "Overexpression of IGF-I in skeletal muscle of transgenic mice does not prevent unloading-induced atrophy", Am. J. Physiol. 1998 275: E373-E379 | <input checked="" type="checkbox"/> |
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| 11 | Gordon et al., "Plasticity in Skeletal, Cardiac, and Smooth Muscle Selected Contribution: Skeletal muscle focal adhesion kinase, paxillin, and serum response factor are loading dependent", J Appl Physiol 2001 90: 1174-1183 | <input checked="" type="checkbox"/> |

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| 12 | Granchelli et al., "Cromolyn Increases Strength in Exercised MDX Mice", Research Communications in Molecular Pathology and Pharmacology, Vol. 91, No. 3 March 1996 pp. 287-296 | <input checked="" type="checkbox"/> |
| 13 | Hornberger et al., "Regulation of translation factors during hindlimb unloading and denervation of skeletal muscle in rats", Am. J. Physiol. 2001 281:C179-C187 | <input checked="" type="checkbox"/> |
| 14 | Hunter et al., "Activation of an alternative NF-kB pathway in skeletal muscle during disuse atrophy", The FASEB Journal, 2002 Vol. 16 pp. 529-538 | <input checked="" type="checkbox"/> |
| 15 | Ikemoto et al., "Space shuttle flight (STS-90) enhances degradation of rat myosin heavy chain in association with activation of ubiquitin-proteasome pathway", The FASEB Journal published online March 12, 2001 | <input checked="" type="checkbox"/> |
| 16 | Jaspers et al., "Atrophy and growth failure of rat hindlimb muscles in tail-cast suspension", The American Physiological Society, 1984 pp. 1472-1479 | <input checked="" type="checkbox"/> |
| 17 | Kennedy et al., "Preparation and Production of a Cancer Chemopreventative Agent, Bowman-Birk Inhibitor Concentrate", Nutr Cancer 1993 Vol. 19, No. 3, pp. 281-302 | <input checked="" type="checkbox"/> |
| 18 | Ann R. Kennedy, "Anticarcinogenic Activity of Protease Inhibitors", Protease Inhibitors as Cancer Chemopreventive Agents, edited by Walter Troll and Ann R. Kennedy. Plenum Press, New York, 1993 | <input checked="" type="checkbox"/> |
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| 20 | Larionova et al., "Inhibition of Cathepsin G and Human Granulocyte Elastase By Multiple Forms of Soybean Inhibitor of Bowman-Birk Type", Biokhimiya 1993 58:1437-1444 | <input checked="" type="checkbox"/> |
| 21 | Loughna et al., "Effect of Inactivity and Passive Stretch on Protein Turnover in Phasic and Postural Rat Muscles", J. Appl. Physiol. 1986 61(1) 173-179 | <input checked="" type="checkbox"/> |
| 22 | Mitchell et al., "A muscle Precursor Cell-Dependent Pathway Contributes to Muscle Growth After Atrophy", Am J Physiol Cell Physiol 281: C1706-C1715, 2001 | <input checked="" type="checkbox"/> |

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| 23 | Nikawa et al., "Effects of a Soy Protein Diet on Exercise-Induced Muscle Protein Catabolism in Rats", Nutrition 18:490-495, 2002 | <input checked="" type="checkbox"/> |
| 24 | Oreffo et al., "Actual effects of the Bowman-Birk protease inhibitor in mice", Toxicology, 69 (1991) 165-176 | <input checked="" type="checkbox"/> |
| 25 | Sangorrin et al., "Myofibril-bound Serine Protease and its Endogenous Inhibitor in Mouse: Extraction, Partial Characterization and Effect on Myofibrils", Comparative Biochemistry and Physiology Part B 131 (2002) 713-723 | <input checked="" type="checkbox"/> |
| 26 | Sawada et al., "Therapeutic Effect of Camostat Mesilate on Duchenne Muscular Dystrophy in mdx Mice", Pharmaceutical Society of Japan, 2003, Biol. Pharm. Bull. 26(7) 1025-1027 | <input checked="" type="checkbox"/> |
| 27 | Solomon et al., "Importance of the ATP-Ubiquitin-Proteasome Pathway in the Degradation of Soluble and Myofibrillar Proteins in Rabbit Muscle Extracts", The Journal of Biological Chemistry, 1996, Vol. 271, No. 43, 26690-26697 | <input checked="" type="checkbox"/> |
| 28 | Spencer et al., "Overexpression of Calpastatin Transgene in mdx Muscle Reduces Dystrophic Pathology", Human Molecular Genetics, 2002, Vol. 11, No. 21, pp. 2645-2655 | <input checked="" type="checkbox"/> |
| 29 | Stevenson et al., "Global Analysis of Gene Expression Patterns During Disuse Atrophy in Rat Skeletal Muscle", J. Physiol. 2003;551;33-48 | <input checked="" type="checkbox"/> |
| 30 | Tada et al., "Effect of Different Dietary Protein Composition on Skeletal Muscle Atrophy by Suspension Hypokinesia/Hypodynamia in Rats", J. Nutr. Sci. Vitaminol. 48. 115-119, 2002 | <input checked="" type="checkbox"/> |
| 31 | Taillandier et al., "Coordinate Activation of Lysosomal, Ca ²⁺ -Activated and ATP-ubiquitin-dependent Proteinases in the Unweighted Rat Soleus Muscle", Biochem. J. (1996) 316, 65-72 | <input checked="" type="checkbox"/> |
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| 34 | Tischler et al., "Different Mechanisms of Increased Proteolysis in Atrophy Induced by Denervation or Unweighting of Rat Soleus Muscle", Metabolism, Vol. 39, No. 7, 1990: pp. 756-763 | <input checked="" type="checkbox"/> |
| 35 | Ware et al., "Soybean Bowman-Birk Protease Inhibitor Is a Highly Effective Inhibitor of Human Mast Cell Chymase", Archives of Biochemistry and Biophysics, Vol. 344, No. 1, pp. 133-138, 1997 | <input checked="" type="checkbox"/> |
| 36 | Yavelow et al., "Nanomolar Concentrations of Bowman-Birk Soybean Protease Inhibitor Suppress x-ray-induced Transformation in Vitro", Proc. Natl. Acad. Sci. USA, Vol. 82, pp. 5395-5399, 1985 | <input checked="" type="checkbox"/> |

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EXAMINER SIGNATURE

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| Examiner Signature | /Michael Meller/ (05/06/2010) | Date Considered | |
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☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

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| Signature | //Kathleen A. Tyrrell// | Date (YYYY-MM-DD) | 2007-04-17 |
| Name/Print | Kathleen A. Tyrrell | Registration Number | 38,350 |

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